

Title (en)
CARRIER BOARD AND POWER MODULE USING SAME

Title (de)
TRÄGERPLATTE UND LEISTUNGSMODUL DAMIT

Title (fr)
CARTE DE SUPPORT ET MODULE DE PUISSANCE L'UTILISANT

Publication
EP 4080560 B1 20230607 (EN)

Application
EP 22161039 A 20220309

Priority
CN 202110426217 A 20210420

Abstract (en)
[origin: EP4080560A1] A power module (2) and a carrier board (1) are disclosed. The carrier board (1) includes a circuit board body (20) and a prefabricated substrate (10). The circuit board body (20) includes a wiring layer (23). The prefabricated substrate (10) is embedded in the circuit board body (20) and includes an insulation layer (11) and a metal layer (12, 13), the metal layer (12, 13) is disposed on the insulation layer (11). The insulation layer (11) is formed by a ceramic material. The metal layer (12, 13) is connected to the insulation layer (11) through a sintering process. A surface of the insulation layer (11), which has contact with the at least one metal layer (12, 13), has at least a part exposed outside of the at least one metal layer (12, 13), the part of the insulation layer (11) exposed to the outside of the at least one metal layer (12, 13) is an outer edge portion (111), and the outer edge portion (111) is extended into the circuit board body (20) along a horizontal direction.

IPC 8 full level
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CPC (source: CN EP US)
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